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DATE MAILED: 03/23/2009

NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/23/2009

Richard J. Minnich, Esq. Fay, Sharpe, Fagan, Minnich & McKee, LLP Seventh Floor 1100 Superior Avenue Cleveland, OH 44114-2518

| EXAMINER | | |
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| ALIA | CURTIS A | |
| ART UNIT | PAPER NUMBER | |
| | | |

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
|---|-------------|----------------------|----------------------|------------------|--|
| 10/695,086 | 10/28/2003 | Bryan A. Lauer | LAUER 2 LUTZ 2 00242 | 4158 | |
| TITLE OF INVENTION: DECISION TREE LOGIC FOR DETERMINING THE OPTIMAL VALUE FOR OOS UPLINK AND DOWNLINK MAXIMUM | | | | | |

BITRATE ATTRIBUTES

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 06/23/2009 |

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THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

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| Seventh Floor | gan, Minnich & Mcl | | | | Con | tificate | of Mailing or Trans s) Transmittal is being ficient postage for fire ISSUE FEE address I) 273-2885, on the d | mirrian | |
| 1100 Superior A Cleveland, OH 4 | | | | | | | | | (Depositor's name) |
| | | | | _ | | | | | (Signature) |
| | | | | | | | | | (Date) |
| APPLICATION NO. | FILING DATE | | | FIRST NAMED INVENTOR | | ATTO | RNEY DOCKET NO. | CONI | FIRMATION NO. |
| 10/695,086 TITLE OF INVENTION BITRATE ATTRIBUTE | | GIC FOR DETER | MININ | Bryan A. Lauer GG THE OPTIMAL VALU | E FOR QOS UPL | | ER 2 LUTZ 2 00242 ND DOWNLINK MA | XIMU | 4158 M |
| APPLN. TYPE | SMALL ENTITY | ISSUE FEE D | JE | PUBLICATION FEE DUE | PREV. PAID ISSUE | FEE | TOTAL FEE(S) DUE | | DATE DUE |
| nonprovisional | NO | \$1510 | | \$300 | \$0 | | \$1810 06/23/20 | | 06/23/2009 |
| EXAM | INER | ART UNIT | | CLASS-SUBCLASS | | | | | |
| ALIA, CI | URTIS A | 2416 | | 370-235000 | | | | | |
| "Fee Address" ind. PTO/SB/47; Rev 03-0 Number is required. 3. ASSIGNEE NAME A | ondence address (or Cha 3/122) attached. ication (or "Fee Address 12 or more recent) attach ND RESIDENCE DATZ less an assignee is ident h in 37 CFR 3.II. Comp | nge of Correspond Indication form ed. Use of a Cust | lence omer D ON | 2. For printing on the p (I) the names of up to or agents OR, alternativ (2) the name of a singl registered attorney or a 2 registered patent atto listed, no name will be THE PATENT (print or tyr data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY | 3 registered paten rely, e firm (having as a sgent) and the name meys or agents. If a printed. ec) stent. If an assignassignment. | membes of uno nan | er a 2p to be is 3 | | it has been filed for |
| Please check the appropri | iate assignee category or | categories (will n | ot be pr | inted on the patent): | Individual 🚨 Co | rporati | on or other private gro | oup entit | ty Government |
| Advance Order - # | To small entity discount p | | 41 | b. Payment of Fee(s): (Plea A check is enclosed. Payment by credit car The Director is hereby overpayment, to Depo | d. Form PTO-2038 | is atta | ched. | | |
| | s SMALL ENTITY state | s. See 37 CFR I.2 | | ☐ b. Applicant is no lon | | | | | |
| NOTE: The Issue Fee and interest as shown by the i | d Publication Fee (if req records of the United Sta | ired) will not be a tes Patent and Tra | accepte demark | d from anyone other than t Office. | he applicant; a regi | stered | attorney or agent; or th | e assigr | ace or other party in |
| Authorized Signature | | | | | Date | | | | |
| Typed or printed name | | | | | Registration N | | | | |
| This collection of inform an application. Confident submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223 | ation is required by 37 C tiality is governed by 35 d application form to the ons for reducing this but firginia 22313-1450. DC 13-1450. | FR 1.311. The inf U.S.C. 122 and 3 USPTO. Time w den, should be se O NOT SEND FER | ormatic 7 CFR ill vary nt to th S OR | on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO | etain a benefit by the imated to take 12 r idual case. Any co r, U.S. Patent and D'THIS ADDRESS | he pub ninuter mmen Trader | ic which is to file (and to complete, includir s on the amount of ti- nark Office, U.S. Dep D TO: Commissioner | by the g gathene you artment for Pate | USPTO to process) ring, preparing, and require to complete of Commerce, P.O. nts, P.O. Box 1450, |

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| 10/695,086 | 10/28/2003 | Bryan A. Lauer | LAUER 2 LUTZ 2 00242 | 4158 |
| 7: | 590 03/23/2009 | EXAMINER | | |
| Richard J. Minnich, Esq. | | | ALIA, CU | JRTIS A |
| | ı, Minnich & McKee, I | ART UNIT | PAPER NUMBER | |
| Seventh Floor 1100 Superior Ave | enue | 2416 DATE MAIL ED: 03/23/2009 | 9 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 852 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 852 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

| Application No. | Applicant(s) |
|-----------------|-----------------|
| 10/695,086 | LAUER, BRYAN A. |
| Examiner | Art Unit |
| Curtis A. Alia | 2416 |

| Guiasi | 2710 |
|--|---|
| The MAILING DATE of this communication eppears on the lact of the second part of the MERITS IS (OR REM enewith (or previously mailed), a Notice of Allowance (PTOL-85) or other OTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. If of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPI | MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiativ |
| This communication is responsive to <u>Amendment submitted 11 Dec.</u> | <u>ember 2008</u> . |
| 2. The allowed claim(s) is/are 1-24 and 26-29. | |
| Acknowledgment is made of a claim for foreign priority under 35 U a) All b) Some* c) None of the: 1. Certified copies of the priority documents have been recommended to be a comment of the priority documents have been recommended to be a comment of the priority documents international Bureau (PCT Rule 17.2(a)). * Certified copies not received: | ceived. |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" of this conted below. Failure to timely comply will result in ABANDONMENT of tHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | |
| A SUBSTITUTE OATH OR DECLARATION must be submitted. Not INFORMAL PATENT APPLICATION (PTO-152) which gives reason | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") must be subniced including changes required by the Notice of Draftsperson's Pater 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendr Paper No./Mail Date (dentifying indicia such as the application number (see 37 CFR 1.84(c)) sheach shets. Replacements heets(s) should be labeled as such in the header | ent Drawing Review (PTO-948) attached ment / Comment or in the Office action of build be written on the drawings in the front (not the back) of |
| DEPOSIT OF and/or INFORMATION about the deposit of BIG attached Examiner's comment regarding REQUIREMENT FOR THE | |
| Attachment(s) | |
| Attachment(s) I. ☐ Notice of References Cited (PTO-892) | 5. Notice of Informal Patent Application |
| P. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) | 6. Interview Summary (PTO-413), |
| 3. ☐ Information Disclosure Statements (PTO/SB/08), | Paper No./Mail Date 7. ⊠ Examiner's Amendment/Comment |
| Paper No./Mail Date | ⊠ Examiner's Statement of Reasons for Allowance □ Other |
| | /Aung S. Moe/ |
| | Supervisory Patent Examiner, Art Unit 2416 |
| | |

DETAILED ACTION

Response to Amendment

Applicant's amendment filed 11 December 2008 has been entered. Claim 25 has been noted as being cancelled for the record. Claims 1-24 and 26-29 are still pending in this application with claims 1, 6, 16, 17 and 26 being independent.

Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or
additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR
 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the
payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Thomas Tillander (Registration No. 26166) on 9 March 2009.

The application has been amended as follows:

- (Previously Presented) A method for a network element to respond to a maximum bitrate request of user equipment of a subscriber, the method comprising:
- receiving a requested maximum bitrate attribute value; determining if a maximum bitrate limit of the subscriber is equal to or greater than a value of a lowest valued member of a set of available maximum bitrate values;

offering to provide requested communication services in association with an offered maximum bitrate, if the maximum bitrate limit of the subscriber is equal to or greater than the value of the lowest valued member of the set of available maximum bitrate values, the offered maximum bitrate value being equal to a value of a member of an allowable subset of the set of available maximum bitrate values, the allowable subset consisting of members of the set of available maximum bitrates that have values less than or equal to the maximum bitrate limit, and the offered maximum bitrate being equal to a value of a member of the allowable subset that is

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greater than or equal to, the lower of the requested maximum bitrate value and the maximum bitrate limit, or has the highest value of the subset; and

declining the requested communications service if the maximum bitrate limit of the subscriber is not equal to or greater than the value of lowest valued member of the set of available maximum bitrate values.

2. (Currently Amended) The method of claim 1 wherein offering to provide the requested communication services in association with the offered maximum bitrate value comprises:

setting a temporary working value equal to a lowest value selected from among the requested maximum bitrate attribute value and the maximum bitrate limit;

determining whether the temporary working value is equal to a value of a member of the allowable subset of the set of available maximum bitrate values, higher than the values of all the members of the allowable subset of the set of available maximum bitrate values, between a next higher valued member and a next lower valued member of the allowable subset of the set of available maximum bitrate values, or lower than the values of all the members in the set of available maximum bitrate values:

setting the offered maximum bitrate value equal to the temporary working value if the temporary working value is equal to the value of a member of the allowable subset of the set of available maximum bitrate values; and

offering to provide the requested communications services in association with the offered maximum bitrate value.

3. (Currently Amended) The method of claim 1 wherein offering to provide the requested communication services in association with the offered maximum bitrate value comprises:

setting a temporary working value equal to a lowest value selected from among the requested maximum bitrate attribute value and the maximum bitrate limit;

determining whether the temporary working value is equal to a value of a member of the allowable subset of the set of available maximum bitrate values, higher than the values of all the members of the allowable subset of the set of available maximum bitrate values, between a next higher valued member and a next lower valued member of the allowable subset of the set of available maximum bitrate values, or lower than the values of all the members in the set of available maximum bitrate values.

setting the offered maximum bitrate value equal to a value of the highest valued member of the allowable subset of the set of available maximum bitrate values if the temporary working value is higher than the values of members of the allowable subset of the set of available maximum bitrate values; and

offering to provide the requested communications services at the offered maximum bitrate value

4. (Currently Amended) The method of claim 1 wherein offering to provide the requested communication services in association with the offered maximum bitrate value comprises: setting a temporary working value equal to a lowest value selected from among the requested maximum bitrate attribute value and the maximum bitrate limit:

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determining whether the temporary working value is equal to a value of a member of the allowable subset of the set of available maximum bitrate values, higher than the values of all the members of the allowable subset of the set of available maximum bitrate values, between a next higher valued member and a next lower valued member of the allowable subset of the set of available maximum bitrate values, or lower than the values of all the members in the set of available maximum bitrate values.

setting the offered maximum bitrate value equal to a value of a lowest valued member of the allowable subset of the set of available maximum bitrate values if the temporary working value is lower than all the values of members of the set of available maximum bitrate values; and offering to provide the requested communications services at the offered maximum bitrate value

 (Previously Presented) The method of claim 1 wherein offering to provide the requested communication services in association with the offered maximum bitrate value comprises:

setting a temporary working value equal to a lowest value selected from among the requested maximum bitrate attribute value and the maximum bitrate limit;

determining whether the temporary working value is equal to a value of a member of the allowable subset of the set of available maximum bitrate values, higher than the values of all the members of the allowable subset of the set of available maximum bitrate values, between a next higher valued member and a next lower valued member of the allowable subset of the set of available maximum bitrate values, or lower than the values of all the members in the set of available maximum bitrate values:

setting the offered maximum bitrate value equal to a value of the next higher valued member of the allowable subset of the set of available maximum bitrate values if the temporary working value is between the next higher and the next lower valued members of the allowable subset of the set of available maximum bitrate values and the next higher valued member is less than or equal to the maximum bitrate limit; and

setting the offered maximum bitrate value equal to a value of the next lower member of the allowable subset of the set of available maximum bitrate values if the temporary working value is between the next higher and the next lower valued members and the next higher member is greater than the maximum bitrate limit.

6. (Previously Presented) A method for a network element to respond to a maximum bitrate request of user equipment of a subscriber, the method comprising:

receiving a requested maximum bitrate attribute value;

determining if a lowest network element supported maximum bitrate value is equal to or less than a maximum bitrate limit associated with the subscriber and if the lowest network element supported maximum bitrate value is equal to or less than the maximum bitrate limit associated with the subscriber;

determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit;

determining whether the temporary working value is a network element supported value, above all network element supported values, below all network element supported values or between two network element supported values; and

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offering a value in response to the maximum bitrate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values.

7. (Original) The method of claim 6 wherein offering the value in response to the maximum bitrate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering the temporary working value in response to the maximum bitrate request if the temporary working value is a network element supported value.

8. (Original) The method of claim 6 wherein offering the value in response to the maximum bitrate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering a highest network element supported value in response to the maximum bitrate request if the temporary working value is above all network element supported values.

9. (Previously Presented) The method of claim 6 wherein offering the value in response to the maximum bitrate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering a lowest network element supported value in response to the maximum bitrate request if the temporary working value is below all network element supported values.

10. (Currently Amended) The method of claim 6 wherein offering the value in response to the maximum bitrate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering a next higher network element supported value if the temporary working value is between [[a]] the next higher and a next lower network element supported value and the next higher network element supported value is less than or equal to the maximum bitrate limit; and

offering the next lower network element supported value if the temporary working value is between the next higher and the next lower network element supported values and the next higher network element supported value is greater than the maximum bitrate limit.

11. (Currently Amended) The method of claim 6 wherein offering the value in response to the maximum birate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering a next higher network element supported value if the temporary working value is between [[a]] the next higher and a next lower network element supported value and the next higher network element supported value is less than or equal to the maximum bitrate limit.

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12. (Currently Amended) The method of claim 6 wherein offering the value in response to the maximum birate request based on the determination of whether the temporary working value is above all network element supported values, below all network element supported values or between two network element supported values comprises:

offering a next lower network element supported value if the temporary working value is between a next higher and [[a]] the next lower network element supported value and the next higher network element supported value is greater than the maximum bitrate limit.

13. (Currently Amended) The method of claim 6 wherein determining if the lowest network element supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber comprises:

determining if an SGSN supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber.

14. (Currently Amended) The method of claim 6 wherein determining if the lowest network element supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber comprises;

determining if a GGSN supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber.

15. (Currently Amended) The method of claim 6 wherein determining if the lowest network element supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber comprises:

determining if an RNC supported maximum bitrate value is below [[a]] the maximum bitrate limit associated with the subscriber.

16. (Previously Presented) A method for a network element to respond to a maximum bitrate request of user equipment of a subscriber, the method comprising:

receiving a requested maximum bitrate attribute value;

determining if a lowest network element supported maximum bitrate value is equal to or less than a maximum bitrate limit associated with the subscriber and if the lowest network element supported maximum bitrate value is equal to or less than the maximum bitrate limit associated with the subscriber;

determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit;

determining if the temporary working value is a network element supported value, above all network element supported values, below all network element supported values or between two network element supported values:

offering the temporary working value in response to the maximum bitrate request if the temporary working value is a network element supported value;

offering a highest network element supported value in response to the maximum bitrate request if the temporary working value is above all network element supported values;

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offering a lowest supported value in response to the maximum bitrate request if the temporary working value is below all network element supported values;

offering a next higher network element supported value if the temporary working value is between the next higher and a next lower network element supported value and the next higher network element supported value is less than or equal to the maximum bitrate limit; and

offering the next lower network element supported value if the temporary working value is between the next higher and the next lower network element supported value and the next highest network element supported value is greater than the maximum bitrate limit.

17. (Previously Presented) A network element operative to respond to a maximum bitrate request of user equipment of a subscriber, the network element comprising:

means for receiving a requested maximum bitrate attribute value; and means for determining if a maximum bitrate limit of the subscriber is equal to or greater than a value of a lowest valued member of a set of available maximum bitrate values;

means for offering to provide communication services in association with a maximum bitrate value selected from a subset of the set of available maximum bitrate values, if the maximum bitrate limit of the subscriber is equal to or greater than the value of the lowest valued member of the set of available maximum bitrate values, the subscriber including only those elements of the set of maximum bitrate values that are equal to or less than the maximum bitrate limit of the subscriber, the selected value being equal to the value of the subset element that is greater than or equal to, the lower of the requested maximum bitrate value and the maximum bitrate limit, or has the highest value of the subset.

18. (Currently Amended) The network element of claim 17 wherein the means for offering to provide communication services in association with [[a]] the maximum bitrate value selected from [[a]] the subset of the set of maximum available bitrate values comprises:

means for determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit;

means for determining whether the temporary working value is a network element supported value, above all network element supported values or between two network element supported values or between two network element supported values; and

means for offering to the provide communication services in association with [[a]] the temporary working value if the temporary working value is a network element supported value.

19. (Currently Amended) The network element of claim 17 wherein the means for offering to provide communication services in association with [[a]] the maximum bitrate value selected from [[a]] the subset of the set of maximum bitrate values comprises:

means for determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit;

means for determining whether the temporary working value is a network element supported value, above all network element supported values, below all network element supported values or between two network element supported values; and Art Unit: 2416

means for offering to provide <u>the</u> communication services in association with a highest network element supported value if the temporary working value is above all network element supported values.

20. (Currently Amended) The network element of claim 17 wherein the means for offering to provide communication services in association with [[a]] the maximum bitrate value selected from [[a]] the subset of the set of maximum bitrate values comprises:

means for determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit:

means for determining whether the temporary working value is a network element supported value, above all network element supported values, below all network element supported values or between two network element supported values; and

means for offering to provide the communication services in association with a lowest supported value if the temporary working value is below all network element supported values.

21. (Currently Amended) The network element of claim 17 wherein the means for offering to provide communication services in association with [[a]] the maximum bitrate value selected from [[a]] the subset of the set of maximum bitrate values comprises:

means for determining a temporary working value from among the requested maximum bitrate attribute value and the maximum bitrate limit;

means for determining whether the temporary working value is a network element supported value, above all network element supported values, below all network element supported values; and the values or between two network element supported values; and

means for offering to provide communication services in association with a next higher network element supported value if the temporary working value is between [[a]] the next higher and a next lowest network element supported value and the next higher network element supported value is less than or equal to the maximum bitrate limit; and

means for offering to provide communication services in association with the next lower network element supported value if the temporary working value is between the next higher and the next lower network element supported values and the next higher network element supported value is greater than the maximum bitrate limit.

- 22. (Original) The network element of claim 17 wherein the network element comprises an SGSN.
- 23. (Original) The network element of claim 17 wherein the network element comprises a GGSN.
- 24. (Original) The network element of claim 17 wherein the network element comprises an RNC.
- (Canceled)

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26. (Original) A network element operative to respond to a maximum bitrate request of user equipment of a subscriber, the network element comprising:

- a network interface operative to receive a requested maximum bitrate attribute value directly or indirectly from the user equipment of the subscriber;
- a first comparator operative to determine if a lowest network element supported maximum bitrate value is equal to or less than a maximum bitrate limit associated with the subscriber:
- a second comparator operative to determine a temporary working value equal to the lowest value selected from among of the requested maximum bitrate attribute value and the maximum bitrate limit:
- a bitrate value classifier operative to determining if the temporary working value is a network element supported value, above all network element supported values, below all network element supported values or between two network element supported values;
- a bitrate offer generator operative to offer the temporary working value in response to the maximum bitrate request if the temporary working value is a network element supported value, offer a highest network element supported value in response to the maximum bitrate request if the temporary working value is above all network element supported values, offer a lowest supported value in response to the maximum bitrate request if the temporary working value is below all network element supported values, offer a next higher network element supported value if the temporary working value is between the next higher and a next lower network element supported value and the next higher network element supported value if the temporary working value is between the next lower network element supported value if the temporary working value is between the next lower network element supported value if the temporary working value is between the next higher and the next lower network element supported value and the next higher network element supported value is greater than the maximum bitrate limit; and offer the next higher and the next lower network element supported value is present than the maximum bitrate limit; and the next higher network element supported value is greater than the maximum bitrate limit; and the next higher network element supported value is greater than the maximum bitrate limit; and the next higher network element supported value is greater than the
- (Original) The network element of claim 26 wherein the network element comprises an SGSN.
- 28. (Original) The network element of claim 26 wherein the network element comprises a GGSN
- (Original) The network element of claim 26 wherein the network element comprises an RNC.

Reasons for Allowance

- Claims 1-24 and 26-29 are allowed.
- 3. The following is an examiner's statement of reasons for allowance:

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Regarding independent claims 1, 6, 16, 17 and 26, the prior art of record does not, either alone or in combination, teach each and every limitation. Particularly, the prior art fails to teach that in response to offering to provide requested communication services, the offered maximum bitrate is determined to be a bit rate that is equal to a value of a member of an allowable subset of a set of available maximum bitrate values. All prior art has a set of available bitrate values, but does not further define subsets of the set of available bitrate values.

Toskala et al. (US 2003/0232624) teaches that communication between a UE and a NodeB/RNC negotiate a maximum bitrate value that is supported by both UE and the NodeB/RNC, where the maximum bitrate value used is determined based on the capabilities of both elements. However, Toskala does not teach that the requested value may be between two acceptable maximum bitrate values that the NodeB/RNC support, as is claimed in the independent claims 1, 6, 16, 17, and 26 (i.e., a subset of the set of available maximum bitrate values).

Other prior art of record teach similar aspects of the invention as Toskala, where the rate that is requested by the UE to the NodeB/RNC is from a predefined list of values broadcasted to the UE, not within a subset of the set of maximum available bitrate values. Therefore, the independent claims 1, 6, 16, 17 and 26 are allowable over prior art of record.

Regarding the allowability of the claims with respect to 35 USC 101, the claims are allowable. In particular, the method claims 1-16 are allowable over 35 USC 101 because the claims are directed to a method that is performed for a network element to respond to a request.

therefore the network element must perform these steps in order to perform the act of responding to the maximum bitrate request of the user equipment of the subscriber.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Curtis A. Alia whose telephone number is (571) 270-3116. The examiner can normally be reached on Monday through Friday, 9am-6pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung S. Moe can be reached on (571) 272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aung S. Moe/ Supervisory Patent Examiner, Art Unit 2416 /Curtis A Alia/ Examiner, Art Unit 2416 3/9/2009

CAA